

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/41538

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 9/00; H04K 1/00

US CL : 380/ 30, 282, 286

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 380/ 30, 282, 286

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,201,000 (MATYAS et al.) 06 April 1993 (06.04.1993), column 2, lines 35-53;	1, 3, 4, 9-11, 14, 19,
---	column 3, lines 27-column 4, line 51; column 21, line 45-column 22, line 15; column 20,	22, 24-26, 29-49
Y	lines 50-67; column 21, lines 26-44; column 17, lines 4-20; column 15, lines 26-55; column	2-10, 12-13, 15-18, 20-
	8, line 49-column 9, line 13; column 9, lines 14-65	21, 23-25, 27-28
Y	US 5,675,649 (BRENNAN et al.) 07.October.1997 (07.10.1997), abstract; column 2, lines	2-10, 12-13, 15-18, 20-
	4-31 column 4, lines 36-51; column 6, lines 14-31; column 10, lines 25-35; column 12,	21, 23-25, 27-28
	lines 22-31; column 19, lines 4-18;	

☐ Further documents are listed in the continuation of Box C.☐ Sec patent family annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier application or patent published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

& document member of the same patent family

Date of the actual completion of the international search

19 April 2004 (19.04.2004)

Date of mailing of the international search report

03 MAY 2004

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